

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



557 299

(43) International Publication Date
9 December 2004 (09.12.2004)

PCT

(10) International Publication Number
WO 2004/106556 A2

(51) International Patent Classification⁷: **C12Q 1/68**

(21) International Application Number:
PCT/US2004/016376

(22) International Filing Date: 22 May 2004 (22.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/473,054 23 May 2003 (23.05.2003) US
60/472,967 23 May 2003 (23.05.2003) US

(71) Applicant (for all designated States except US): **ASTRAZENECA AB** [SE/SE]; Global Intellectual Property, S-151 85 Södertälje (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHEN, Guo, Qiang** [CN/US]; AstraZeneca R & D Boston, 35 Gatehouse Drive, Waltham, MA 02451 (US). **LIU, CE, Feng** [CN/US]; AstraZeneca R & D Boston, 35 Gatehouse Drive, Waltham, MA 02451 (US).

(74) Agent: **McCORMACK, Christine**; AstraZeneca Pharmaceuticals, 35 Gatehouse Drive, Waltham, MA 02451 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **FLUORESCENCE-BASED DNA PRIMASE ASSAYS**

(57) Abstract: The present invention provides methods for assaying the activity of DNA primases and methods for screening for compounds that modulate the activity of DNA primases.

WO 2004/106556 A2